Week 30 Bio Warmups

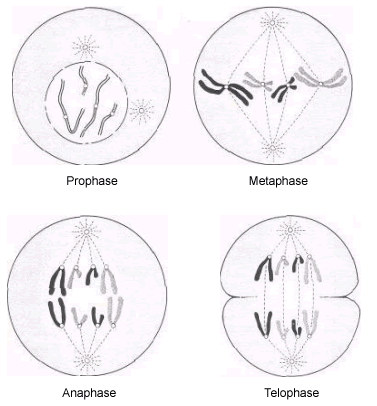
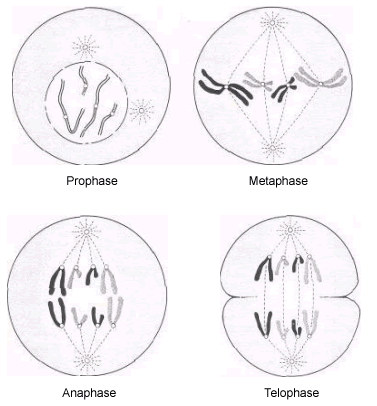
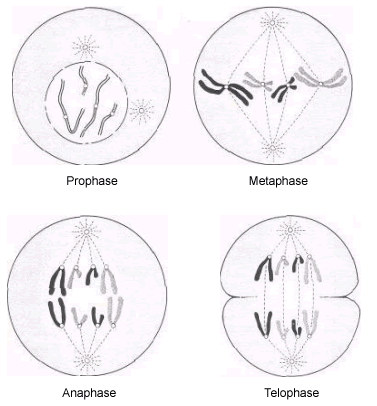
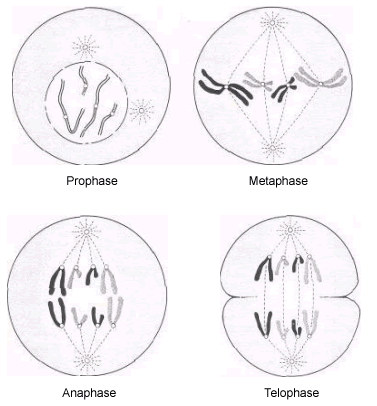
Listed below are the 5 statements about meiosis. Choose the term listed in parentheses that will correctly complete the sentence.

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| 1. | The end result of meiosis is (**two, four**) daughter cells. |
| 2. | (**Gametes, Chromosomes**) are sex cells. |
| 3. | The purpose of meiosis is to produce cells for (**reproduction, replacement**). |
| 4. | Human cells produced during meiosis have (**23, 46**) chromosomes. |
| 5. | Daughter cells produced during meiosis are (**identical to, different from**) the parent cell. |

Listed below are the 5 statements about mitosis. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
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| 1. | The end result of mitosis is (**two, four**) daughter cells. |
| 2. | (**Prophase, Interphase**) is not part of mitosis. |
| 3. | One of the purposes of mitosis is to produce cells for (**reproduction, growth**). |
| 4. | Human cells produced during mitosis have (**23, 46**) chromosomes. |
| 5. | Mitosis produces cells that are (**identical to, different from**) the parent cell. |

Place the following stages of mitosis in order and identify each phase.



Identify each characteristic as true of Prokaryotes (P) or Eukaryotes (E).

1. Has a nucleus
2. DNA found in the cytoplasm
3. No membrane-bound organelles
4. Plants and Animals
5. Bacteria

Listed below are the 5 statements about DNA. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | The rungs of DNA are made up of (**phosphate groups, nitrogen bases**). |
| 2. | (**Nucleotides, Monosaccharides**) are made of a sugar, phosphate group, and N base. |
| 3. | Watson and Crick developed a (**double helix, transformation**) model of DNA. |
| 4. | If one side of a DNA molecule is TAGGT, the other side would be (**CGAAC, ATCCA**). |
| 5. | According to Chargaff’s rules, the percentage of guanine in DNA is equal to the percentage of (**cytosine, adenine**). |